# Interstate 10: Ina Road Traffic Interchange Final Design

## **July 2015**

Prepared by Arizona Department of Transportation 206 S. 17th Ave. Phoenix, AZ 85007

In cooperation with
U.S. Department of Transportation
Federal Highway Administration



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#### 1.0 Introduction

The Arizona Department of Transportation (ADOT), in conjunction with the Federal Highway Administration (FHWA), is working on a project to reconstruct the Ina Road Traffic Interchange as recommended by the I-10 (Ina Road Traffic Interchange to Ruthrauff Road Traffic Interchange) Design Concept Report (DCR) and Environmental Assessment (EA). I-10 currently passes over Ina Road, and with this project, Ina Road will become elevated and pass over I-10 and the Union Pacific Railroad. Included with the interchange work, will be reconstruction and widening of Ina Road from Silverbell Road just west of I-10 to Camino Martin just east of I-10 and two new bridges over the Santa Cruz River.

## 2.0 Public Meeting

ADOT and FHWA held a public information meeting for the Interstate 10: Ina Road Traffic Interchange final design project on June 11, 2015. Additional outreach included property owner meetings. This section represents a summary of this outreach.

#### 2.1 Business and Stakeholder Outreach

The design project team met with businesses/property owners and stakeholders in May 2015 to inform them of the proposed design revisions and public meeting as follows:

- Monday, May 11, 2015, at Marana Operations Center, Community Center, 5100 W. Ina Road, Marana, AZ 85743
  - o Circle K
  - o Garrigan's Auto Repair Shop
  - Chuy's Mesquite Broiler
  - o Chickenuevo Original Mexican Grill
- Tuesday, May 12, 2015, at Town of Marana Council Chambers 11555 W. Civic Center Drive -Marana, Arizona 85653
  - Presentation to Mayor and Council
- Wednesday, May 13, 2015, at Marana Operations Center, Community Center, 5100 W. Ina Road, Marana, AZ 85743
  - o Donut Wheel
  - Ina Road Freedom Self Storage
- Thursday, May 21, 2015, at Marana Operations Center, Community Center, 5100 W. Ina Road, Marana, AZ 85743
  - o Jack in the Box
  - Motel 6
  - o Enterprise
  - Miss Saigon
  - o Pima County Natural Resources



#### 2.2 Public Meeting Notification

An invitation was prepared and distributed inviting the public to provide comments. Invitations were mailed May 26, 2015, to property owners, occupants and businesses within the proposed project area. Electronic copies of the invitation were sent to elected officials, emergency service providers and schools the week of June 1, 2015. A copy of the invitation can be found in Appendix A.

#### 2.3 Newspaper Advertisements

A newspaper advertisement providing the date and location of the public meeting was published on May 27, 2015, in the Arizona Daily Star.

A copy of the advertisement can be found in Appendix B.

#### 2.4 Public Meeting

The purpose of the public meeting was to present the proposed design revisions and provide the opportunity for attendees to ask questions and submit comments. A total of 171 people signed in and attended the public meeting. The meeting was held on Thursday, June 11, 2015, from 5:30 to 7:30 p.m. (with a presentation at 5:45 p.m.) at Coyote Trail Elementary School (Multipurpose Room) 8000 N. Silverbell Road, Tucson, AZ 85743.

#### 2.5 Website

The project website was updated to include all informational materials and the public meeting information and project details were provided on the website: azdot.gov/InaTl.

#### 3.0 Public Meeting Format

The public meeting began with registration at the door, where attendees were asked to sign in and were provided with meeting handouts consisting of a fact sheet and a traffic access fliers. The sign-in sheets were created solely for the purpose of updating the mailing list. An open house then began, where attendees were encouraged to walk around the various stations, view the displays, and ask questions of project staff. A formal presentation was provided by the ADOT project design team. After the presentation, attendees were given the opportunity to ask questions as well as revisit the stations. Copies of the meeting handouts can be found in Appendix C.

#### 3.1 Display Boards

Display boards of the architectural treatments were created for each of several topics considered to be of interest to the public.

A copy of the display boards provided at the meeting can be found in Appendix D of this report.



#### 3.2 Presentation

A presentation was given to attendees at 5:45 p.m. The presentation can be found in Appendix E and covered the following topics:

- Project Overview
- Project History
- Proposed Project Improvements
- Project Schedule

## 4.0 Public Comment Summary

This section presents a summary of the comments received during the comment period. The comments received focused on the proposed revisions to the final design. Comments were classified into the following categories:

- Ina Road widened from Silverbell Road to Starcommerce Way, including demolition of the existing bridge and a new structure over the Santa Cruz River.
- Ina Roadway profile modified on both the east and west sides of I-10 to allow Camino de Oeste
  to connect to Ina Road, eliminate Camino de Oeste bridge and southern loop and improves
  business access along Ina Road.
- I-10 widened to accommodate four lanes in each direction but striped for three lanes until widening between the Prince TI and Ina TI is completed.
- The Loop closed for a period of time through the project area.
- General Comments

All comments received were reviewed for the specific issues or recommendations raised by the commenter. During the comment period, comments could be submitted in a variety of ways, by mail, telephone, e-mail, and online. A total of 22 comments were received as of July 10, 2015 and a copy of the comment form is included in Appendix F.



## 4.1 Summary of Comments

A quantification of comments by issue is provided below in Figure 1 with a summary of issues and responses followed below.

Figure 1: Comments received by topic

Category	Comments Received for this Category*		
1) Ina Road is proposed to be widened to two lanes in each direction from Silverbell Road to Starcommerce Way including demolition of the existing bridge and a new structure over the Santa Cruz River.	7 – Supportive: excellent design; good idea; this is needed; great cooperation between TOM and ADOT 3 – Cortaro Road: concern about traffic on Cortaro, need to widen Cortaro; 2 – Silverbell Road: anticipate heavy traffic on Ina west of Silverbell and request transition from 2 lanes to 1 lane be lengthened; concerned about traffic on Silverbell; need to improve Silverbell before putting traffic on it 2 – Development: housing development at Silverbell & Ina; make new bridges 3 lanes wide due to new development at Silverbell & Ina		
2) The Ina roadway profile is proposed to be modified on both the east and west sides of I-10. This allows Camino de Oeste to connect to Ina Road, eliminates the Camino de Oeste bridge and southern loop and improves business access along Ina Road.	4 – Supportive: good; should be well received by businesses and residents; grade separation from RR tracks will be a big help moving westbound traffic on Ina but good signal sequencing is also important; likes the straightforward access  1 – not familiar with Camino de Oeste bridge		
3) I-10 will be widened to accommodate 4 lanes in each direction but striped for 3 lanes until I-10 widening between the Prince TI and Ina TI is complete.	5 – Supportive: ok, understand this is necessary; makes sense to set priorities on project and avoid rebuilding later 1 – greatly needed but Phoenix projects seem to take majority of funding and do not lessen impact to Tucson with larger projects - would prefer I-10 widening completion occur all at once instead of always being under construction		



Category	Comments Received for this Category*		
4) During construction, The Loop, the Pima County multi-use path, will be closed for a period of time through the project area.	10 – Concerns: not happy with this; minimize closure time; keep it open; will it be open north of Ina and southeast of Ina?; can temporary detour be constructed because it is widely used and recently improved?; use the loop 3-4 times a week to exercise on bike from Cortaro to A Mountain and/or cut to Rillito near Orange Grove and closing Loop will impact many Tucson residents as it's used extensively and completely shutting it down will leave pedestrians/cyclists no option but to risk hazards of non-friendly Tucson road because Silverbell, south of Ina is deadly! Is it possible to add ped/cycle path lanes to Silverbell to connect from Ina to Camino del Cerro or some other alternative providing access to Loop?; temporary 2-way bike path along Ina & frontage road and bike lanes along Silverbell Road would be helpful; concerned about bright lights; 3 – Supportive: that's fine; ok; obviously necessary		





Category	Comments Received for this Category*
	2 – Camino del Cerro: Camino del Cerro will get tremendous amount of additional traffic, concern with increase in volume of traffic and safety concerns with passing (Camino del Cerro and Ina are very short); decrease speed limit from Ina to Camino del Cerro to 40 mph and have regular radar from Pima County, City of Tucson and Town of Marana; 2 – Ina Road: shortsightedIna should be 3 lanes instead of 2 and now is the time to think of the future; closing Ina for 2 years will force changes in present traffic patterns for some 4,000 vehicles daily on Picture Rocks Road.  1 – Drainage: concerns about drainage down Dirt Road;  1 – Businesses: they will be seriously inconvenienced and left turn onto east driveways would benefit customer base  1 – Trains: any plans to limit trains from interrupting traffic during rush hour times in the am and pm? With additional traffic loads, resident commute times will drastically increase by trains and additional vehicle traffic.  1 – Sandario/Kinney/Gates Pass: what is being done to mitigate cyclists through here?  1 – Bats: thousands of Mexican freetail bats use Ina bridge as nesting place. Will construction of replacement bridge be times for winter work to avoid displacing bats?  1 – Picture Rocks: there is no public transportation and area residents have been working for several years to extend an Arizona Pavilions route. Public transportation would reduce traffic during construction. Will planners urge RTA to implement public transportation between Picture Rocks and Arizona Pavilions to implement public transportation and connecting busses concurrent with construction?  1 – Prince Road: I commuted through Prince Road TI and was impressed with the way project didn't drastically interfere with traffic. Commute only increased by 10-15 during accident and 5-10 during average commute. Hopefully same planners that worked on Prince TI will work on Ina TI.  1 – Positive: Let's do it!
*Responses may have included more than one issue	

<sup>\*</sup>Responses may have included more than one issue



#### Appendix A - Meeting Invitation



The Arizona Department of Transportation (ADOT), in conjunction with the Federal Highway Administration (FHWA), invite you to attend a public information meeting for the Interstate 10: Ina Road Traffic Interchange Project to provide information about the construction anticipated to begin in 2016.

#### PUBLIC INFORMATION MEETING

#### Thursday, June 11, 2015

Open house meeting 5:30-7:30 p.m. – (Presentation at 5:45 p.m.)
Coyote Trail Elementary School (Multipurpose Room)
8000 N. Silverbell Rd., Tucson, AZ 85743

The purpose of this project is to reconstruct the Ina Road Traffic Interchange. I-10 currently passes over Ina Road, and with this project, Ina Road will become elevated and pass over I-10 and the Union Pacific Railroad.

Included with the interchange work, will be reconstruction and widening of Ina Road from Silverbell Road west of I-10 to Camino Martin east of I-10 and a new bridge over

the Santa Cruz River. The project team will be available to answer individual and property-specific questions. Maps and displays will be available for viewing.



Personas que requieren asistencia o una adaptación razonable por habifidad limitada en inglés o discapacidad (ADA y Título VI) deben ponerse en contacto con: 855.712.8530 o projects@azdot.gov. Las solicitudes deben hacerse tan pronto como sea posible para asegurar que el estado tenga la oportunidad de hacer los arreglos necesarios.

Americans with Disabilities Act: Persons with a disability may request reasonable accommodation by cating 835.712.8330. Requests should be made by June 4, 2015. Any notice in another language other than English are translations of the original text written in English. These translations are not official and are not binding to the state or political subdivision of this state.

TRACS No.: H8479 01D Federal Aid No.: NH-STP-010-D(216)5 15-169

Coyote Trail









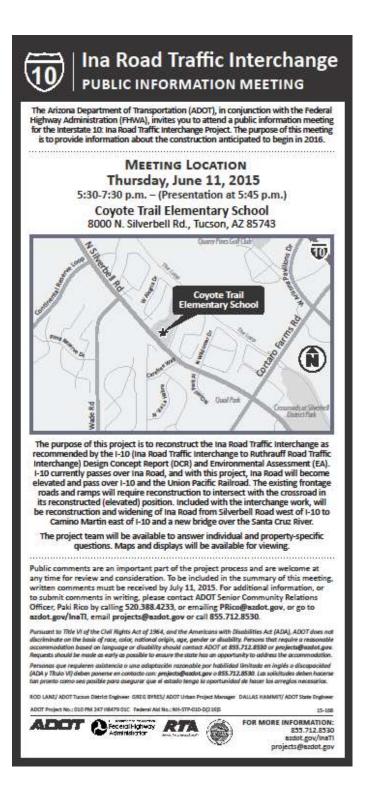


azdot.gov/inaTi projects@azdot.gov

10



#### Appendix B - Meeting Advertisement





#### Appendix C – Meeting Handouts



#### PROJECT DESCRIPTION

The purpose of the interchange reconstruction project is to improve traffic operations on I-10 and on the Ina Road traffic interchange. The project consists of widening I-10 to four lanes in each direction and Ina Road to two lanes in each direction from Silverbell Road to Camino Martin.

The project will enhance safety by eliminating the existing atgrade crossing of Ina Road and the Union Pacific Railroad (UPRR) and building an overpass taking Ina Road over I-10. I-10 will be lowered as part of the new Ina Road overpass construction. The project will also construct two structures over the Santa Cruz River. The eastbound and westbound frontage roads will be elevated to intersect with the new vertical alignment of Ina Road. The project also includes concrete box culverts, retaining walls, grading, asphalt concrete, drainage



facilities, water and sewer relocations, traffic signals, signing, pavement markings, lighting, landscape and irrigation along the interstate, the frontage roads and Ina Road. There are numerous utility relocations that will take place prior to and during the construction of these improvements.

#### **PROJECT TIMELINE**

2009

Design Concept Report (DCR) and Environmental Assessment (EA) began

Concept Report (DCR) and Environmental Assessment (EA) complete

2016

Anticipated Complete Final Design

2016-18

Anticipated Duration of Construction

For more information, please contact ADOT Senior Community Relations Officer, Paki Rico: 520.388.4233, PRico@azdot.gov, or go to azdot.gov/InaTI, projects@azdot.gov, or 855.712.8530.





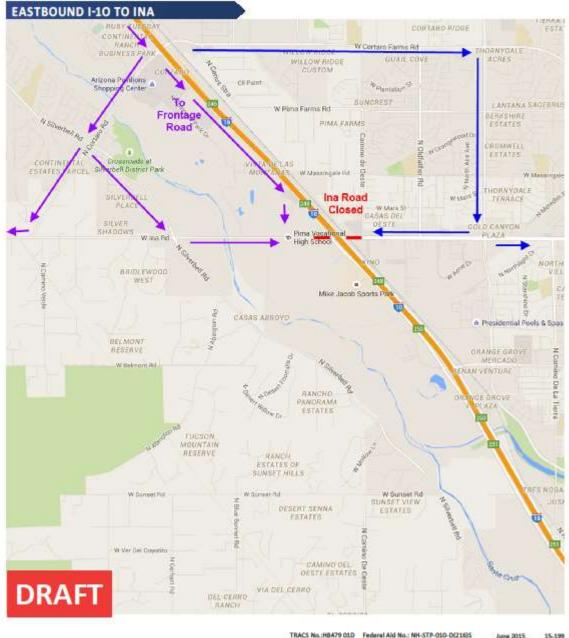




TRACS No.:H8479 01D Federal Aid No.: NH-STP-010-D(216)S March 2015 855.712.8530 azdot.gov/lnaTl projects@azdot.gov



# Ina Road Traffic Interchange Final Design Proposed Traffic Access During Construction — DRAFT







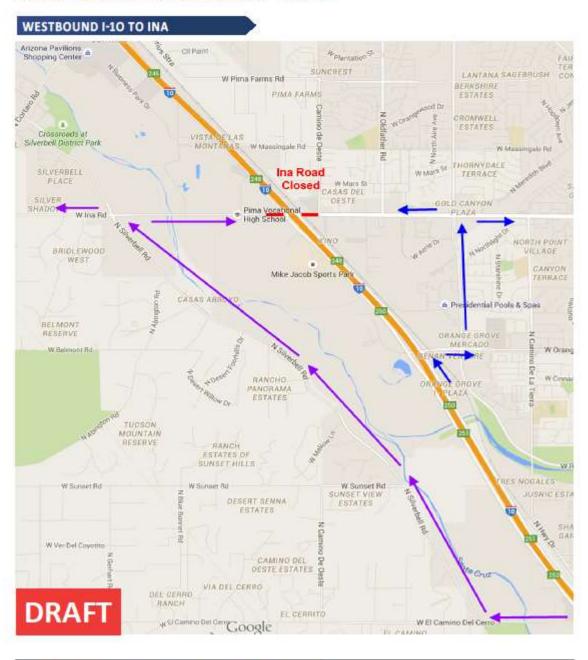




FOR MORE INFORMATION: 855.712.8530 azdot.gov/InaTl projects@azdot.gov



Page 2 Ina Road Traffic Interchange Final Design
Proposed Traffic Access During Construction — DRAFT













**INA TO WESTBOUND I-10** W Cortaro Forms Rd WILLOW RIDGE WILLOW RIDGE CUSTOM BUSINESS PAR QUAIL COVE Artzona Pavilio \*Flamation W Pima Firms Hd FIMA FARMS Ina Road Closed WMars St SILVER SHADOWS Wina Rd BRIDLEWOOD WEST Mike Jacob Sports CASAS ARROYU # Presidential Pools & Spen BESERVE W Belmom Rd TUCSON MOUNTAIN RESERVE W Sunset Rd SUNSET VIEW ESTATES DESERT SENNA ESTATES W Ver Del Coverno N/A DEL CERRO DEL CERRO RANCH **DRAFT** ast camino del Cim Google W.El Camino Del Cerso EL CAMINO

Page 3 Ina Road Traffic Interchange Final Design
Proposed Traffic Access During Construction — DRAFT











**INA TO EASTBOUND I-10** INVS WILLOW RIDGE WILLDW RIDGE CUSTOM CEPWIN Shopping Center SUNCHEST PIMA FARMS Widage W Macongale Fit W MINT SA THORNYDALE BRUTABLL Ina Road Closed W Mars St Wine Rd Frontage BRIDLEWOOD WEST Road to CANYON TERRACI Orange Jacob Sports Grove TI CASAS WIRGYO BELMONT RESERVE W Drange Grove Rd VAN VENTURE RANCHO HANCH ESTATES OF BOWSET HILLS SUNSET VIEW ESTATES W Ver Del Covetion

Page 4 Ina Road Traffic Interchange Final Design
Proposed Traffic Access During Construction — DRAFT





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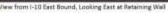


## Appendix D – Display Boards

Ina Road Traffic Interchange **Public Information Meeting Architectual Treatments** June 11, 2015



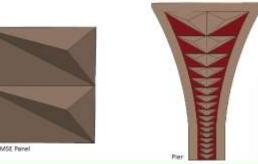






View from I-10 East Bound, Looking North



















Ina Road Traffic Interchange **Public Information Meeting** Architectual Treatments June 11, 2015

The inspiration for the formliner and decorative metal design speaks to the myriad of angles and facets found in the Sonoran Desert. Diverse in their origin, the angles create dynamic shapes and shadows which can be seen in mountain canyons and outcroppings, our geologic history, and plant morphology.

#### Architectural Treatments include:

- Formliner for MSE Panels on Retaining Walls
- Roadway and Bridge Barriers
- Bridge Piers
- Decorative Metal on Pedestrian Fence























Ina Road Traffic Interchange **Public Information Meeting Architectual Treatments** June 11, 2015

















#### Appendix E

## **Ina Road Traffic Interchange Public Information Meeting**

June 11, 2015

Greg Byres, PE, Senior Urban Project Manager, ADOT Paki Rico, Senior Community Relations Officer, ADOT John Hucko, Senior Landscape Architect, ADOT Kevin Thornton, PE, Project Manager, Psomas









ADOT



## **Presentation Topics**

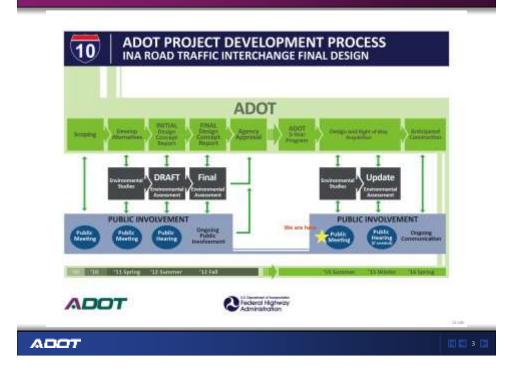
- Project Overview
- Project History
- Proposed Project Improvements
- Project Schedule

ADOT



## **General Overview Map**







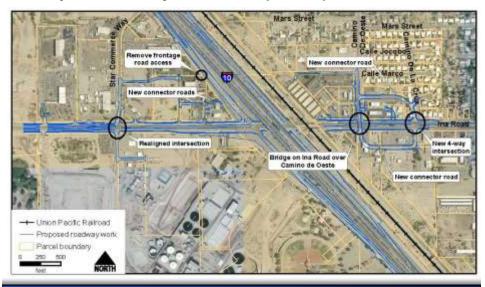
## **Public Outreach Meetings**

## Meetings held during project design phase:

- Agency scoping meeting Oct. 28, 2009
- Public scoping meeting Nov. 18, 2009
- Property owner meetings Oct. 4, 2010, Nov. 8, 2010
- Public information meeting March 10, 2011
- Property owner meetings Nov. 30, 2011
- Public hearing June 21, 2012
- Business forums May 14, 2014
- Marana Council Update May 12, 2015
- Public Meeting June 11, 2015



## **Proposed Project Area (2012)**









## **Proposed Project Area (2015)**



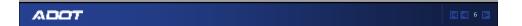
## **Proposed Environmental Footprint**





## **Environmental Assessment Re-evaluation**

 Prior to construction, Environmental Assessment reevaluation and 30 day public review comment period will occur fall 2015



## **Project Purpose and Need**

- In conformance with transportation planning objectives
  - · ADOT's 1993 General Plan
  - Regional Transportation Authority's (RTA) 2006 voter approved
  - Regional Transportation Plan
- Meet existing and future (2040) traffic demand and improve operations
- Meet current design standards
- Eliminate vehicle-train conflicts at crossroads and improve emergency response times





## **Proposed Revisions**

Revisions to the proposed project design since the 2012 Design Concept Report (DCR) and Environmental Assessment (EA) include:

- Ina Road from just east of Silverbell Road to Starcommerce Way
  - · Widening to two lanes
  - New bridges over the Santa Cruz River
  - Pedestrian underpasses at the Santa Cruz River Bridges



## **Proposed Revisions (cont'd)**

Revisions to the proposed project design since the 2012 Design Concept Report (DCR) and Environmental Assessment (EA) include:

- Modification of Ina Road Profile
  - Elimination of south loop
  - Elimination of bridge at Camino de Oeste
  - Changes in slope at approach and departure
  - Reconfigure retaining walls at Camino de Oeste
  - Access to Ina Road at Camino de Oeste
- Improvements to business access
  - Retained access to Ina Road





## **Proposed Project Improvements**

#### Proposed project improvements include:

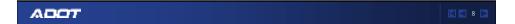
- I-10 widened to accommodate up to 4 lanes in each direction;
   will be striped for 3 lanes until further corridor widening is
   complete (not yet programmed)
- Ina Road overpass over I-10 and the Union Pacific Railroad
- Ina Road widened to two lanes in each direction
- Architectural treatments/landscape



## **Proposed Project Impacts**

## **Anticipated Construction Timeline**

- Anticipated construction will be divided into 4 major phases:
  - 1. Preparation work (Ina Road open)
  - 2. Eastbound I-10 Construction (Ina Road closed)
  - 3. Westbound I-10 Construction (Ina Road closed)
  - 4. Finishing work (Ina Road open)
- Construction anticipated to begin spring 2016
- Construction anticipated to be complete in 2018





## **Proposed Project Impacts (cont'd)**

- Ina Road
  - Access across I-10 will be closed for majority of project duration
- Interstate 10
  - Contractor will maintain 3 lanes in each direction along I-10
- Access to businesses will be maintained during construction
- I-10, Ina Traffic Interchange Project Budget Approximately \$86 Million





## **Proposed Traffic Access During Construction (cont'd)**

Westbound Interstate 10 to Ina Road



# **Proposed Traffic Access During** Construction (cont'd) Ina Road to Westbound Interstate 10





## **Proposed Traffic Access During** Construction (cont'd) Ina Road to Eastbound Interstate 10



ADOT

## **Proposed Aesthetic Improvements**

**Architectural Treatments** 

The inspiration for the Architectural Treatments designs speaks to the myriad of angles and facets found in the Sonoran Desert. A simple, repetitive, geometric design was chosen to give the Ina Road traffic interchange a unique look.







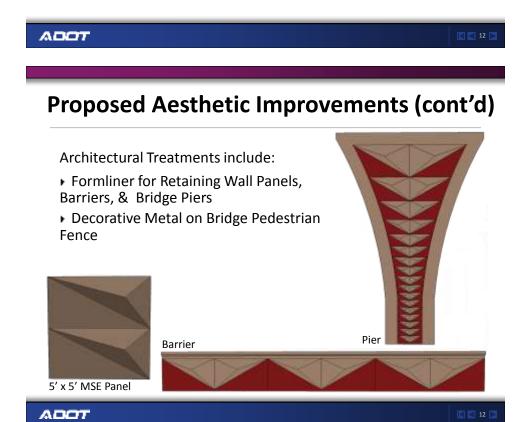
ADOT



## **Proposed Aesthetic Improvements (cont'd)**



Looking east from I-10 East Bound







## **Contact Information**

- Paki Rico, ADOT Senior Community Relations Officer, 520-388-4233, prico@azdot.gov
- ADOT Project Hotline, 855.712.8530, projects@azdot.gov
- Visit the project website: azdot.gov/InaTI

## Thank you for your participation!





## **GENERAL QUESTIONS?**



#### Appendix F



YOUR INPUT IS IMPORTANT: Submit comments by July 10, 2015 in order to have them included in the project record. Comments may also be submitted online at azdot.gov/InaTI: Name — \_\_\_\_\_ Email \_\_ State\_ Please provide us your feedback on the following changes since the completion of the Final Design Concept report: 1. Ina Road is proposed to be widened to two lanes in each direction from Silverbell Road to Starcommerce Way, including demolition of the existing bridge and a new structure over the Santa Cruz River. The Ina Roadway profile is proposed to be modified on both the east and west sides of I-10. This allows Camino de Oeste to connect to Ina Road, eliminates the Camino de Oeste bridge and southern loop and improves business access along Ina Road. 3. I-10 will be widened to accommodate four through lanes in each direction but striped for three lanes until I-10 widening between the Prince TI and Ina TI is completed. 4. During construction, The Loop, the Pima County multi-use path, will be closed for a period of time through the project area. FOR MORE INFORMATION: Federal Highway







azdot.gov/InaTl





GENERAL COMMENTS								
ADOT	Federal Highway	BALEANIA	RTA	FOR MORE INFORMATION:				









azdot.gov/InaTl

